

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008252**Date Inspected:** 18-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Cheng Ying Xing**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Utekar Shrikant was present during the times noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress

BAY#10

FCAW welding process of weld joint 53 located on PCMK SSD1-FBSA4-1A/C. Welder is identified as 057266 ZPMC QC is identified as Yang Ming Ming. The welding variables recorded by QC appeared to comply with the WPS-B-T-2332-TC-P5-F

FCAW welding process of weld joint 49 located on PCMK NSTL3-3C/K. Welder is identified as 203977 ZPMC QC is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-T-4132.

FCAW welding process of weld joint 48 located on PCMK NSTL3-3G/K. Welder is identified as 057244 ZPMC QC is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-T-4132.

FCAW welding process of weld joint 54 located on PCMK SSD1-FBSA4-1A/C. Welder is identified as 201825 ZPMC QC is identified as Yang Ming Ming. The welding variables recorded by QC appeared to comply with the

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## WELDING INSPECTION REPORT

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WPS-B-T-2332-TC-P5-F

SMAW welding process of weld joint 19 located on PCMK NSTL3-3C/K. Welder is identified as 052771 ZPMC QC is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-T-4314-TC-P5-2.

SMAW welding process of weld joint 18 located on PCMK NSTL3-3D/K. Welder is identified as 040491 ZPMC QC is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-T-4314-TC-P5-2.

FCAW welding process of weld joint 50 located on PCMK SSD1-FBSA4-1A/C. Welder is identified as 058075 ZPMC QC is identified as Yang Ming Ming. The welding variables recorded by QC appeared to comply with the WPS-B-T-2332-TC-P5-F.

FCAW welding process of weld joint 49 located on PCMK SSD1-FBSA4-1A/C. Welder is identified as 052923 ZPMC QC is identified as Yang Ming Ming. The welding variables recorded by QC appeared to comply with the WPS-B-T-2332-TC-P5-F

SMAW welding process of weld joint 89 located on PCMK NSTL3-3C/K. Welder is identified as 052771 ZPMC QC is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-T-4314-TC-P5-2

SMAW welding process of weld joint 82 located on PCMK NSTL3-3D/K. Welder is identified as 040491 ZPMC QC is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-T-4314-TC-P5-2

Unless otherwise noted, all work observed on this dated appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversation.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge Sinevod 13482570045, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Utekar,Shrikant	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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